

### AMENDMENTS TO THE CLAIMS

This Listing of Claims replaces all prior versions and listings of claims in the application.

1. (currently amended) A crystal form of 6-fluoro-1-methyl-7-[4-(5-methyl-2-oxo-1,3-dioxolen-4-yl)-methyl-1-piperazinyl]-4-oxo-4H-[1,3]thiazeto[3,2-a]quinoline-3-carboxylic acid acetonitrile solvate, which has diffraction peaks at least at 7.3, 14.7, 19.2 and 22.3 in the powder X-ray diffraction spectrum.

2. (canceled)

3. (currently amended) A method for producing a crystal form of 6-fluoro-1-methyl-7-[4-(5-methyl-2-oxo-1,3-dioxolen-4-yl)-methyl-1-piperazinyl]-4-oxo-4H-[1,3]thiazeto[3,2-a]quinoline-3-carboxylic acid acetonitrile solvate, characterized by which comprises performing crystallization from an acetonitrile solution of 6-fluoro-1-methyl-7-[4-(5-methyl-2-oxo-1,3-dioxolen-4-yl)-methyl-1-piperazinyl]-4-oxo-4H-[1,3]thiazeto[3,2-a]quinoline-3-carboxylic acid by controlling its supersaturation concentration (g/100 g) to be from 2.15 to 2.36 at the time of occurrence of spontaneous nucleus nucleation.

4. (currently amended) A method for producing a crystal form of 6-fluoro-1-methyl-7-[4-(5-methyl-2-oxo-1,3-dioxolen-4-yl)-methyl-1-piperazinyl]-4-oxo-4H-[1,3]thiazeto[3,2-a]quinoline-3-carboxylic acid acetonitrile solvate, which comprises performing crystallization from an acetonitrile solution of 6-fluoro-1-methyl-7-[4-(5-methyl-2-oxo-1,3-dioxolen-4-yl)-methyl-1-piperazinyl]-4-oxo-4H-[1,3]thiazeto[3,2-a]quinoline-3-carboxylic acid by controlling its supersaturation concentration (g/100 g) to be from 0.41 to 2.36 at the time of addition of a seed crystal.

5. (Original) The method according to Claim 4, wherein the solution at the time of addition of the seed crystal has a temperature of 70°C or lower.

6. (currently amended) A method for producing the type III crystal form of 6-fluoro-1-methyl-7-[4-(5-methyl-2-oxo-1,3-dioxolen-4-yl)-methyl-1-piperazinyl]-4-oxo-4H-[1,3]thiazeto[3,2-a]quinoline-3-carboxylic acid, which comprises desolvating a crystal of 6-fluoro-1-methyl-7-[4-(5-methyl-2-oxo-1,3-dioxolen-4-yl)-methyl-1-piperazinyl]-4-oxo-4H-[1,3]thiazeto[3,2-a]quinoline-3-carboxylic acid acetonitrile solvate.